

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 1

JANUARY 1985

Nos. 1-1648

CONTENTS

JOURNAL LIST xvii

GENERAL AND MOLECULAR GENETICS

1. THE GENETIC CODE.....	1
2. DNA/RNA STRUCTURE.....	1
3. PROKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	2
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	3
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	4
6. DNA MODIFICATION AND RESTRICTION.....	4
7. DNA REPLICATION AND DNA SYNTHESIS.....	5
8. RECOMBINATION AND GENE CONVERSION.....	7
9. DNA REPAIR.....	7
10. GENETICS AND RADIATION.....	8
11. GENETICS AND CHEMICAL MUTAGENS.....	10
12. OTHER MUTAGENESIS.....	11
13. TRANSCRIPTION AND RNA POLYMERASES.....	12
14. RNA PROCESSING AND MESSENGER RNA.....	13
15. TRANSFER RNA.....	14
16. RIBOSOMES.....	15
17. TRANSLATION.....	16
18. RECOMBINANT DNA TECHNOLOGY.....	17
19. CLONING OF PROKARYOTIC GENES.....	19
20. CLONING OF EXTRACHROMOSOMAL GENES.....	20
21. CLONING OF EUKARYOTIC GENES.....	20
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION.....	21
23. OTHER MOLECULAR GENETIC TECHNIQUES.....	21
24. GENE REGULATION IN PROKARYOTES.....	22
25. GENE REGULATION IN EUKARYOTES.....	23

VIRAL AND PROKARYOTIC GENETICS

26. PROKARYOTIC PLASMID CONTROL.....	25
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS.....	25
28. OTHER PROKARYOTIC PLASMIDS.....	26
29. PROKARYOTIC TRANSPOSONS AND INSERTION SEQUENCES.....	26
30. LAMBDA BACTERIOPHAGE GENETICS.....	27
31. T-BACTERIOPHAGE GENETICS.....	27
32. OTHER BACTERIOPHAGE GENETICS.....	27
33. GENETICS OF PLANT AND FUNGAL VIRUSES.....	28
34. GENETICS OF ANIMAL DNA VIRUSES.....	28
35. GENETICS OF ONCOGENIC RNA VIRUSES.....	30
36. OTHER VIRAL GENETICS.....	31
37. PROKARYOTIC BIOCHEMICAL GENETICS.....	32
38. PROKARYOTIC SPECIATION AND EVOLUTION.....	33
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING).....	34

EUKARYOTIC GENETICS

40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE.....	34
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA.....	35
42. CHROMATIN AND CHROMOSOME STRUCTURE.....	36
43. CYTOGENETICS AND CYTOTAXONOMY.....	37
44. MITOSIS, MEIOSIS AND THE CELL CYCLE.....	39
45. SOMATIC AND FUSED CELL GENETICS.....	40
46. IMMUNOGENETICS.....	42
47. BIOCHEMICAL GENETICS.....	44
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS).....	45
49. PLANT DEVELOPMENTAL GENETICS.....	46
50. MOLECULAR BIOLOGY OF DIFFERENTIATION.....	46
51. GENETICS AND HORMONE SYSTEMS.....	47
52. SEX DETERMINATION AND SEX LINKAGE.....	48
53. EUKARYOTIC BEHAVIOURAL GENETICS.....	48
54. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS.....	49
55. EUKARYOTIC SPECIATION AND EVOLUTION.....	50
56. THEORETICAL AND QUANTITATIVE GENETICS.....	51
57. PLANT BREEDING.....	51
(a) Cereals.....	
(b) Non-cereals.....	
(c) General.....	
58. ANIMAL BREEDING.....	55
(a) Poultry.....	
(b) Sheep and pigs.....	
(c) Cattle.....	
(d) General and other animal breeding.....	
59. MYXOMYCETE AND FUNGAL GENETICS.....	56
60. ALGAL GENETICS.....	58
61. HIGHER PLANT GENETICS.....	58
62. PROTOZOAN GENETICS.....	60
63. INVERTEBRATE GENETICS (EXCLUDING INSECTS).....	61
64. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.).....	62
65. GENETICS OF DROSOPHILA SPP.....	62
66. GENETICS OF FISH.....	63
67. AMPHIBIAN AND REPTILE GENETICS.....	64

68. AVIAN GENETICS.....	64
69. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN).....	65
70. RODENT GENETICS.....	65
71. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS).....	66
(a) Chromosomes and mapping studies.....	
(b) Enzymes and other proteins.....	
(c) Population studies.....	
(d) Miscellaneous.....	
72. MEDICAL GENETICS.....	68
(a) Screening and counselling.....	
(b) Medical cytogenetics.....	
(c) Inherited disorders.....	
(d) Miscellaneous.....	
73. CANCER RESEARCH.....	73
GENERAL GENETICS AND SYMPOSIA.....	
74. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA.....	75
AUTHOR INDEX.....	76

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 2

FEBRUARY 1985

Nos. 1649-3083

CONTENTS

JOURNAL LIST	iii	67. AMPHIBIAN AND REPTILE GENETICS	140
GENERAL AND MOLECULAR GENETICS		68. AVIAN GENETICS	140
1. THE GENETIC CODE	83	69. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	140
2. DNA/RNA STRUCTURE	83	70. RODENT GENETICS	141
3. PROKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	84	71. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	141
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	84	(a) Chromosomes and mapping studies	
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	85	(b) Enzymes and other proteins	
6. DNA MODIFICATION AND RESTRICTION	86	(c) Population studies	
7. DNA REPLICATION AND DNA SYNTHESIS	87	72. MEDICAL GENETICS	144
8. RECOMBINATION AND GENE CONVERSION	88	(a) Screening and counselling	
9. DNA REPAIR	89	(b) Medical cytogenetics	
10. GENETICS AND RADIATION	90	(c) Inherited disorders	
11. GENETICS AND CHEMICAL MUTAGENS	90	(d) Miscellaneous	
12. OTHER MUTAGENESIS	92	73. CANCER RESEARCH	147
13. TRANSCRIPTION AND RNA POLYMERASES	93	GENERAL GENETICS AND SYMPOSIA	
14. RNA PROCESSING AND MESSENGER RNA	94	74. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	149
15. TRANSFER RNA	95	AUTHOR INDEX	150
16. RIBOSOMES	95		
17. TRANSLATION	96		
18. RECOMBINANT DNA TECHNOLOGY	97		
19. CLONING OF PROKARYOTIC GENES	99		
20. CLONING OF EXTRACHROMOSOMAL GENES	99		
21. CLONING OF EUKARYOTIC GENES	99		
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	100		
23. OTHER MOLECULAR GENETIC TECHNIQUES	101		
24. GENE REGULATION IN PROKARYOTES	102		
25. GENE REGULATION IN EUKARYOTES	102		
VIRAL AND PROKARYOTIC GENETICS			
26. PROKARYOTIC PLASMID CONTROL	104		
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	104		
28. OTHER PROKARYOTIC PLASMIDS	104		
29. PROKARYOTIC TRANSPOSONS AND INSERTION SEQUENCES	105		
30. LAMBDA BACTERIOPHAGE GENETICS	105		
31. T-BACTERIOPHAGE GENETICS	106		
32. OTHER BACTERIOPHAGE GENETICS	106		
33. GENETICS OF PLANT AND FUNGAL VIRUSES	106		
34. GENETICS OF ANIMAL DNA VIRUSES	107		
35. GENETICS OF ONCOGENIC RNA VIRUSES	108		
36. OTHER VIRAL GENETICS	109		
37. PROKARYOTIC BIOCHEMICAL GENETICS	109		
38. PROKARYOTIC SPECIATION AND EVOLUTION	111		
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	111		
EUKARYOTIC GENETICS			
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	111		
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	112		
42. CHROMATIN AND CHROMOSOME STRUCTURE	113		
43. CYTOGENETICS AND CYTOTAXONOMY	114		
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	115		
45. SOMATIC AND FUSED CELL GENETICS	116		
46. IMMUNOGENETICS	117		
47. BIOCHEMICAL GENETICS	119		
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	121		
49. PLANT DEVELOPMENTAL GENETICS	122		
50. MOLECULAR BIOLOGY OF DIFFERENTIATION	122		
51. GENETICS AND HORMONE SYSTEMS	123		
52. SEX DETERMINATION AND SEX LINKAGE	124		
53. EUKARYOTIC BEHAVIOURAL GENETICS	125		
54. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	125		
55. EUKARYOTIC SPECIATION AND EVOLUTION	127		
56. THEORETICAL AND QUANTITATIVE GENETICS	129		
57. PLANT BREEDING	129		
(a) Cereals			
(b) Non-cereals			
(c) General			
58. ANIMAL BREEDING	132		
(a) Poultry			
(b) Sheep and pigs			
(c) Cattle			
(d) General and other animal breeding			
59. MYXOMYCETE AND FUNGAL GENETICS	133		
60. ALGAL GENETICS	135		
61. HIGHER PLANT GENETICS	135		
62. PROTOZOAN GENETICS	137		
63. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	137		
64. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	138		
65. GENETICS OF DROSOPHILA SPP.	139		
66. GENETICS OF FISH	139		

ISSN 0741-1642

CONTENTS

JOURNAL LIST	iii
GENERAL AND MOLECULAR GENETICS	
1. THE GENETIC CODE.....	157
2. DNA/RNA STRUCTURE.....	157
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	158
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	159
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	159
6. DNA MODIFICATION AND RESTRICTION.....	161
7. DNA REPLICATION AND DNA SYNTHESIS.....	162
8. RECOMBINATION AND GENE CONVERSION.....	163
9. DNA REPAIR.....	163
10. GENETICS AND RADIATION.....	164
11. GENETICS AND CHEMICAL MUTAGENS.....	165
12. OTHER MUTAGENESIS.....	166
13. TRANSCRIPTION AND RNA POLYMERASES.....	167
14. RNA PROCESSING AND MESSENGER RNA.....	169
15. TRANSFER RNA.....	170
16. RIBOSOMES.....	170
17. TRANSLATION.....	171
18. RECOMBINANT DNA TECHNOLOGY.....	171
19. CLONING OF PROKARYOTIC AND VIRAL GENES.....	173
20. CLONING OF EXTRACHROMOSOMAL GENES.....	174
21. CLONING OF EUKARYOTIC GENES.....	174
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION.....	175
23. OTHER MOLECULAR GENETIC TECHNIQUES.....	176
24. GENE REGULATION IN PROKARYOTES.....	176
25. GENE REGULATION IN EUKARYOTES.....	177
VIRAL AND PROKARYOTIC GENETICS	
26. PROKARYOTIC PLASMID CONTROL.....	179
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS.....	179
28. OTHER PROKARYOTIC PLASMIDS.....	180
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES.....	180
30. LAMBDA BACTERIOPHAGE GENETICS.....	180
31. T-BACTERIOPHAGE GENETICS.....	181
32. OTHER BACTERIOPHAGE GENETICS.....	181
33. GENETICS OF PLANT AND FUNGAL VIRUSES.....	181
34. GENETICS OF ANIMAL DNA VIRUSES.....	182
35. GENETICS OF ONCOGENIC RNA VIRUSES.....	183
36. OTHER RNA VIRAL GENETICS.....	184
37. PROKARYOTIC BIOCHEMICAL GENETICS.....	184
38. PROKARYOTIC SPECIATION AND EVOLUTION.....	185
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING).....	185
EUKARYOTIC GENETICS	
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE.....	186
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA.....	186
42. CHROMATIN AND CHROMOSOME STRUCTURE.....	187
43. CYTOGENETICS AND CYTOTAXONOMY.....	188
44. MITOSIS, MEIOSIS AND THE CELL CYCLE.....	190
45. SOMATIC AND FUSED CELL GENETICS.....	190
46. IMMUNOGENETICS.....	191
47. BIOCHEMICAL GENETICS.....	192
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS).....	194
49. PLANT DEVELOPMENTAL GENETICS.....	194
50. MOLECULAR BIOLOGY OF DEVELOPMENT.....	195
51. GENETICS AND HORMONE SYSTEMS.....	195
52. GENETICS AND PHYSIOLOGY.....	196
53. SEX DETERMINATION AND SEX LINKAGE.....	197
54. EUKARYOTIC BEHAVIOURAL GENETICS.....	197
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS.....	198
56. EUKARYOTIC SPECIATION AND EVOLUTION.....	199
57. THEORETICAL AND QUANTITATIVE GENETICS.....	200
58. PLANT BREEDING.....	200
(a) Cereals.....	
(b) Non-cereals.....	
(c) General.....	
59. ANIMAL BREEDING.....	202
(a) Poultry.....	
60. MYXOMYCETE AND FUNGAL GENETICS.....	202
61. ALGAL GENETICS.....	203
62. HIGHER PLANT GENETICS.....	203
63. PROTOZOAN GENETICS.....	204
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS).....	205
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.).....	205
66. GENETICS OF DROSOPHILA SPP.....	206
67. GENETICS OF FISH.....	206
68. AMPHIBIAN AND REPTILE GENETICS.....	206
69. AVIAN GENETICS.....	207
70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN).....	207
71. RODENT GENETICS.....	207
72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS).....	208
(a) Chromosomes and mapping studies.....	
(b) Enzymes and other proteins.....	
(c) Population studies.....	
(d) Miscellaneous.....	
73. MEDICAL GENETICS.....	210
(a) Screening and counselling.....	
(b) Medical cytogenetics.....	
(c) Inherited disorders and gene therapy.....	
(d) Miscellaneous.....	
74. CANCER RESEARCH.....	215
GENERAL GENETICS AND SYMPOSIA	
75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA.....	219
AUTHOR INDEX	220

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 4

APRIL 1985

Nos. 4386-6269

CONTENTS

JOURNAL LIST	iii	68. AMPHIBIAN AND REPTILE GENETICS	298
GENERAL AND MOLECULAR GENETICS		69. AVIAN GENETICS	298
1. THE GENETIC CODE	227	70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	299
2. DNA/RNA STRUCTURE	227	71. RODENT GENETICS	299
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	228	72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	300
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	230	(a) Chromosomes and mapping studies	
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	230	(b) Enzymes and other proteins	
6. DNA MODIFICATION AND RESTRICTION	231	(c) Population studies	
7. DNA REPLICATION AND DNA SYNTHESIS	232	73. MEDICAL GENETICS	302
8. RECOMBINATION AND GENE CONVERSION	234	(a) Screening and counselling	
9. DNA REPAIR	234	(b) Medical cytogenetics	
10. GENETICS AND RADIATION	235	(c) Inherited disorders and gene therapy	
11. GENETICS AND CHEMICAL MUTAGENS	236	(d) Miscellaneous	
12. OTHER MUTAGENESIS	238	74. CANCER RESEARCH	307
13. TRANSCRIPTION AND RNA POLYMERASES	239	GENERAL GENETICS AND SYMPOSIA	
14. RNA PROCESSING AND MESSENGER RNA	240	75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	310
15. TRANSFER RNA	241	AUTHOR INDEX	311
16. RIBOSOMES	242		
17. TRANSLATION	243		
18. RECOMBINANT DNA TECHNOLOGY	244		
19. CLONING OF PROKARYOTIC AND VIRAL GENES	246		
20. CLONING OF EXTRACHROMOSOMAL GENES	247		
21. CLONING OF EUKARYOTIC GENES	247		
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	248		
23. OTHER MOLECULAR GENETIC TECHNIQUES	249		
24. GENE REGULATION IN PROKARYOTES	251		
25. GENE REGULATION IN EUKARYOTES	251		
VIRAL AND PROKARYOTIC GENETICS			
26. PROKARYOTIC PLASMID CONTROL	253		
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	254		
28. OTHER PROKARYOTIC PLASMIDS	254		
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	254		
30. LAMBDA BACTERIOPHAGE GENETICS	255		
31. T-BACTERIOPHAGE GENETICS	255		
32. OTHER BACTERIOPHAGE GENETICS	255		
33. GENETICS OF PLANT AND FUNGAL VIRUSES	256		
34. GENETICS OF ANIMAL DNA VIRUSES	257		
35. GENETICS OF ONCOGENIC RNA VIRUSES	259		
36. OTHER RNA VIRAL GENETICS	260		
37. PROKARYOTIC BIOCHEMICAL GENETICS	261		
38. PROKARYOTIC SPECIATION AND EVOLUTION	262		
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	263		
EUKARYOTIC GENETICS			
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	263		
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	263		
42. CHROMATIN AND CHROMOSOME STRUCTURE	265		
43. CYTOGENETICS AND CYTOTAXONOMY	266		
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	269		
45. SOMATIC AND FUSED CELL GENETICS	270		
46. IMMUNOGENETICS	271		
47. BIOCHEMICAL GENETICS	274		
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	276		
49. PLANT DEVELOPMENTAL GENETICS	277		
50. MOLECULAR BIOLOGY OF DEVELOPMENT	277		
51. GENETICS AND HORMONE SYSTEMS	278		
52. GENETICS AND PHYSIOLOGY	279		
53. SEX DETERMINATION AND SEX LINKAGE	280		
54. EUKARYOTIC BEHAVIOURAL GENETICS	280		
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	280		
56. EUKARYOTIC SPECIATION AND EVOLUTION	283		
57. THEORETICAL AND QUANTITATIVE GENETICS	284		
58. PLANT BREEDING	284		
(a) Cereals			
(b) Non-cereals			
59. ANIMAL BREEDING	289		
(a) Poultry			
(b) Sheep and pigs			
(c) Cattle			
(d) General and other animal breeding			
60. MYXOMYCETE AND FUNGAL GENETICS	290		
61. ALGAL GENETICS	292		
62. HIGHER PLANT GENETICS	292		
63. PROTOZOAN GENETICS	293		
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	294		
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	294		
66. GENETICS OF DROSOPHILA SPP.	295		
67. GENETICS OF FISH	298		

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 5

MAY 1985

Nos. 6270-7717

CONTENTS

JOURNAL LIST	iii
GENERAL AND MOLECULAR GENETICS	
1. THE GENETIC CODE.....	319
2. DNA/RNA STRUCTURE.....	319
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	320
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	321
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION.....	321
6. DNA MODIFICATION AND RESTRICTION.....	322
7. DNA REPLICATION AND DNA SYNTHESIS.....	322
8. RECOMBINATION AND GENE CONVERSION.....	324
9. DNA REPAIR.....	324
10. GENETICS AND RADIATION.....	325
11. GENETICS AND CHEMICAL MUTAGENS.....	327
12. OTHER MUTAGENESIS.....	328
13. TRANSCRIPTION AND RNA POLYMERASES.....	328
14. RNA PROCESSING AND MESSENGER RNA.....	330
15. TRANSFER RNA.....	331
16. RIBOSOMES.....	331
17. TRANSLATION.....	332
18. RECOMBINANT DNA TECHNOLOGY.....	333
19. CLONING OF PROKARYOTIC AND VIRAL GENES.....	334
20. CLONING OF EXTRACHROMOSOMAL GENES.....	335
21. CLONING OF EUKARYOTIC GENES.....	335
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION.....	336
23. OTHER MOLECULAR GENETIC TECHNIQUES.....	336
24. GENE REGULATION IN PROKARYOTES.....	337
25. GENE REGULATION IN EUKARYOTES.....	338
VIRAL AND PROKARYOTIC GENETICS	
26. PROKARYOTIC PLASMID CONTROL.....	339
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS.....	339
28. OTHER PROKARYOTIC PLASMIDS.....	339
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES.....	340
30. LAMBDA BACTERIOPHAGE GENETICS.....	340
31. T-BACTERIOPHAGE GENETICS.....	341
32. OTHER BACTERIOPHAGE GENETICS.....	341
33. GENETICS OF PLANT AND FUNGAL VIRUSES.....	342
34. GENETICS OF ANIMAL DNA VIRUSES.....	342
35. GENETICS OF ONCOGENIC RNA VIRUSES.....	344
36. OTHER RNA VIRAL GENETICS.....	345
37. PROKARYOTIC BIOCHEMICAL GENETICS.....	345
38. PROKARYOTIC SPECIATION AND EVOLUTION.....	346
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING).....	346
EUKARYOTIC GENETICS	
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE.....	347
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA.....	347
42. CHROMATIN AND CHROMOSOME STRUCTURE.....	348
43. CYTOGENETICS AND CYTOTAXONOMY.....	349
44. MITOSIS, MEIOSIS AND THE CELL CYCLE.....	351
45. SOMATIC AND FUSED CELL GENETICS.....	352
46. IMMUNOGENETICS.....	352
47. BIOCHEMICAL GENETICS.....	354
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS).....	356
49. PLANT DEVELOPMENTAL GENETICS.....	356
50. MOLECULAR BIOLOGY OF DEVELOPMENT.....	357
51. GENETICS AND HORMONE SYSTEMS.....	357
52. GENETICS AND PHYSIOLOGY.....	359
53. SEX DETERMINATION AND SEX LINKAGE.....	359
54. EUKARYOTIC BEHAVIOURAL GENETICS.....	359
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS.....	360
56. EUKARYOTIC SPECIATION AND EVOLUTION.....	362
57. THEORETICAL AND QUANTITATIVE GENETICS.....	363
58. PLANT BREEDING.....	364
(a) Cereals.....	
(b) Non-cereals.....	
(c) General.....	
59. ANIMAL BREEDING.....	369
(a) Poultry.....	
(b) Sheep and pigs.....	
(c) Cattle.....	
(d) General and other animal breeding.....	
60. MYXOMYCETE AND FUNGAL GENETICS.....	370
61. ALGAL GENETICS.....	371
62. HIGHER PLANT GENETICS.....	371
63. PROTOZOAN GENETICS.....	372
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS).....	373
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.).....	373
66. GENETICS OF DROSOPHILA SPP.....	374
67. GENETICS OF FISH.....	375
68. AMPHIBIAN AND REPTILE GENETICS.....	376
69. AVIAN GENETICS.....	376
70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN).....	376
71. RODENT GENETICS.....	377
72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS).....	377
(a) Chromosomes and mapping studies.....	
(b) Enzymes and other proteins.....	
(c) Population studies.....	
73. MEDICAL GENETICS.....	379
(a) Screening and counselling.....	
(b) Medical cytogenetics.....	
(c) Inherited disorders and gene therapy.....	
(d) Miscellaneous.....	
74. CANCER RESEARCH.....	383
GENERAL GENETICS AND SYMPOSIA	
75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA.....	385
AUTHOR INDEX	386

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 6

JUNE 1985

Nos. 7718-9078

CONTENTS

JOURNAL LIST	iii	67. GENETICS OF FISH	446
GENERAL AND MOLECULAR GENETICS		68. AMPHIBIAN AND REPTILE GENETICS	446
1. THE GENETIC CODE	393	69. AVIAN GENETICS	447
2. DNA RNA STRUCTURE	393	70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	447
3. PROKARYOTIC AND VIRAL DNA RNA SEQUENCES AND GENOME ORGANISATION	394	71. RODENT GENETICS	447
4. EXTRACHROMOSOMAL DNA RNA SEQUENCES AND GENOME ORGANISATION	394	72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	448
5. EUKARYOTIC DNA RNA SEQUENCES AND GENOME ORGANISATION	395	(a) Chromosomes and mapping studies	
6. DNA MODIFICATION AND RESTRICTION	395	(b) Enzymes and other proteins	
7. DNA REPLICATION AND DNA SYNTHESIS	396	(c) Population studies	
8. RECOMBINATION AND GENE CONVERSION	397	73. MEDICAL GENETICS	450
9. DNA REPAIR	398	(a) Screening and counselling	
10. GENETICS AND RADIATION	399	(b) Medical cytogenetics	
11. GENETICS AND CHEMICAL MUTAGENS	400	(c) Inherited disorders and gene therapy	
12. OTHER MUTAGENESIS	401	(d) Miscellaneous	
13. TRANSCRIPTION AND RNA POLYMERASES	401	74. CANCER RESEARCH	454
14. RNA PROCESSING AND MESSENGER RNA	403	GENERAL GENETICS AND SYMPOSIA	
15. TRANSFER RNA	404	75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	456
16. RIBOSOMES	405	AUTHOR INDEX	458
17. TRANSLATION	405		
18. RECOMBINANT DNA TECHNOLOGY	406		
19. CLONING OF PROKARYOTIC AND VIRAL GENES	408		
20. CLONING OF EXTRACHROMOSOMAL GENES	409		
21. CLONING OF EUKARYOTIC GENES	409		
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	410		
23. OTHER MOLECULAR GENETIC TECHNIQUES	410		
24. GENE REGULATION IN PROKARYOTES	411		
25. GENE REGULATION IN EUKARYOTES	412		
VIRAL AND PROKARYOTIC GENETICS			
26. PROKARYOTIC PLASMID CONTROL	413		
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	414		
28. OTHER PROKARYOTIC PLASMIDS	414		
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	415		
30. LAMBDA BACTERIOPHAGE GENETICS	415		
31. T-BACTERIOPHAGE GENETICS	415		
32. OTHER BACTERIOPHAGE GENETICS	416		
33. GENETICS OF PLANT AND FUNGAL VIRUSES	416		
34. GENETICS OF ANIMAL DNA VIRUSES	416		
35. GENETICS OF ONCOGENIC RNA VIRUSES	417		
36. OTHER RNA VIRAL GENETICS	418		
37. PROKARYOTIC BIOCHEMICAL GENETICS	419		
38. PROKARYOTIC SPECIATION AND EVOLUTION	420		
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	421		
EUKARYOTIC GENETICS			
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	421		
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	422		
42. CHROMATIN AND CHROMOSOME STRUCTURE	422		
43. CYTOGENETICS AND CYTOTAXONOMY	423		
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	425		
45. SOMATIC AND FUSED CELL GENETICS	426		
46. IMMUNOGENETICS	426		
47. BIOCHEMICAL GENETICS	428		
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	430		
49. PLANT DEVELOPMENTAL GENETICS	431		
50. MOLECULAR BIOLOGY OF DEVELOPMENT	431		
51. GENETICS AND HORMONE SYSTEMS	432		
52. GENETICS AND PHYSIOLOGY	433		
53. SEX DETERMINATION AND SEX LINKAGE	433		
54. EUKARYOTIC BEHAVIOURAL GENETICS	433		
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	434		
56. EUKARYOTIC SPECIATION AND EVOLUTION	435		
57. THEORETICAL AND QUANTITATIVE GENETICS	437		
58. PLANT BREEDING	437		
(a) Cereals			
(b) Non-cereals			
(c) General			
59. ANIMAL BREEDING	441		
(a) Poultry			
(b) Sheep and pigs			
(c) Cattle			
(d) General and other animal breeding			
60. MYXOMYCETE AND FUNGAL GENETICS	442		
61. ALGAL GENETICS	443		
62. HIGHER PLANT GENETICS	443		
63. PROTOZOAN GENETICS	444		
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	444		
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	445		
66. GENETICS OF DROSOPHILA SPP.	445		

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 7

JULY 1985

Nos. 9079-11135

CONTENTS

JOURNAL LIST iii

GENERAL AND MOLECULAR GENETICS

1. THE GENETIC CODE	465
2. DNA/RNA STRUCTURE	465
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	466
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	467
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	468
6. DNA MODIFICATION AND RESTRICTION	469
7. DNA REPLICATION AND DNA SYNTHESIS	469
8. RECOMBINATION AND GENE CONVERSION	471
9. DNA REPAIR	471
10. GENETICS AND RADIATION	473
11. GENETICS AND CHEMICAL MUTAGENS	475
12. OTHER MUTAGENESIS	476
13. TRANSCRIPTION AND RNA POLYMERASES	477
14. RNA PROCESSING AND MESSENGER RNA	478
15. TRANSFER RNA	480
16. RIBOSOMES	480
17. TRANSLATION	481
18. RECOMBINANT DNA TECHNOLOGY	482
19. CLONING OF PROKARYOTIC AND VIRAL GENES	485
20. CLONING OF EXTRACHROMOSOMAL GENES	486
21. CLONING OF EUKARYOTIC GENES	486
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	487
23. OTHER MOLECULAR GENETIC TECHNIQUES	487
24. GENE REGULATION IN PROKARYOTES	488
25. GENE REGULATION IN EUKARYOTES	489

VIRAL AND PROKARYOTIC GENETICS

26. PROKARYOTIC PLASMID CONTROL	491
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	492
28. OTHER PROKARYOTIC PLASMIDS	492
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	492
30. LAMBDA BACTERIOPHAGE GENETICS	493
31. T-BACTERIOPHAGE GENETICS	494
32. OTHER BACTERIOPHAGE GENETICS	494
33. GENETICS OF PLANT AND FUNGAL VIRUSES	494
34. GENETICS OF ANIMAL DNA VIRUSES	495
35. GENETICS OF ONCOGENIC RNA VIRUSES	497
36. OTHER RNA VIRAL GENETICS	498
37. PROKARYOTIC BIOCHEMICAL GENETICS	499
38. PROKARYOTIC SPECIATION AND EVOLUTION	501
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	501

EUKARYOTIC GENETICS

40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	502
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	503
42. CHROMATIN AND CHROMOSOME STRUCTURE	504
43. CYTOGENETICS AND CYTOTAXONOMY	506
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	510
45. SOMATIC AND FUSED CELL GENETICS	511
46. IMMUNOGENETICS	513
47. BIOCHEMICAL GENETICS	517
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	521
49. PLANT DEVELOPMENTAL GENETICS	521
50. MOLECULAR BIOLOGY OF DEVELOPMENT	521
51. GENETICS AND HORMONE SYSTEMS	522
52. GENETICS AND PHYSIOLOGY	523
53. SEX DETERMINATION AND SEX LINKAGE	525
54. EUKARYOTIC BEHAVIOURAL GENETICS	525
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	526
56. EUKARYOTIC SPECIATION AND EVOLUTION	529
57. THEORETICAL AND QUANTITATIVE GENETICS	530
58. PLANT BREEDING	531
(a) Cereals	
(b) Non-cereals	
(c) General	
59. ANIMAL BREEDING	536
(a) Poultry	
(b) Sheep and pigs	
(c) Cattle	
60. MYXOMYCETE AND FUNGAL GENETICS	537
61. ALGAL GENETICS	538
62. HIGHER PLANT GENETICS	538
63. PROTOZOAN GENETICS	540
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	541
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	541
66. GENETICS OF DROSOPHILA SPP.	542
67. GENETICS OF FISH	545

68. AMPHIBIAN AND REPTILE GENETICS	546
69. AVIAN GENETICS	546
70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	546
71. RODENT GENETICS	547
72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	548
(a) Chromosomes and mapping studies	
(b) Enzymes and other proteins	
(c) Population studies	
73. MEDICAL GENETICS	552
(a) Screening and counselling	
(b) Medical cytogenetics	
(c) Inherited disorders and gene therapy	
74. CANCER RESEARCH	558
GENERAL GENETICS AND SYMPOSIA	
75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	561
AUTHOR INDEX	562

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 8

AUGUST 1985

Nos. 11136-12575

CONTENTS

JOURNAL LIST	iii
GENERAL AND MOLECULAR GENETICS	
1. THE GENETIC CODE.....	571
2. DNA RNA STRUCTURE.....	571
3. PROKARYOTIC AND VIRAL DNA RNA SEQUENCES AND GENOME ORGANISATION.....	572
4. EXTRACHROMOSOMAL DNA RNA SEQUENCES AND GENOME ORGANISATION.....	573
5. EUKARYOTIC DNA RNA SEQUENCES AND GENOME ORGANISATION.....	573
6. DNA MODIFICATION AND RESTRICTION.....	574
7. DNA REPLICATION AND DNA SYNTHESIS.....	575
8. RECOMBINATION AND GENE CONVERSION.....	576
9. DNA REPAIR.....	577
10. GENETICS AND RADIATION.....	578
11. GENETICS AND CHEMICAL MUTAGENS.....	579
12. OTHER MUTAGENESIS.....	581
13. TRANSCRIPTION AND RNA POLYMERASES.....	581
14. RNA PROCESSING AND MESSENGER RNA.....	582
15. TRANSFER RNA.....	583
16. RIBOSOMES.....	583
17. TRANSLATION.....	584
18. RECOMBINANT DNA TECHNOLOGY.....	585
19. CLONING OF PROKARYOTIC AND VIRAL GENES.....	587
20. CLONING OF EXTRACHROMOSOMAL GENES.....	587
21. CLONING OF EUKARYOTIC GENES.....	588
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION.....	588
23. OTHER MOLECULAR GENETIC TECHNIQUES.....	589
24. GENE REGULATION IN PROKARYOTES.....	590
25. GENE REGULATION IN EUKARYOTES.....	591
VIRAL AND PROKARYOTIC GENETICS	
26. PROKARYOTIC PLASMID CONTROL.....	592
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS.....	592
28. OTHER PROKARYOTIC PLASMIDS.....	593
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES.....	593
30. LAMBDA BACTERIOPHAGE GENETICS.....	594
31. T-BACTERIOPHAGE GENETICS.....	594
32. OTHER BACTERIOPHAGE GENETICS.....	594
33. GENETICS OF PLANT AND FUNGAL VIRUSES.....	595
34. GENETICS OF ANIMAL DNA VIRUSES.....	596
35. GENETICS OF ONCOGENIC RNA VIRUSES.....	597
36. OTHER RNA VIRAL GENETICS.....	598
37. PROKARYOTIC BIOCHEMICAL GENETICS.....	598
38. PROKARYOTIC SPECIATION AND EVOLUTION.....	600
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING).....	600
EUKARYOTIC GENETICS	
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE.....	601
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA.....	601
42. CHROMATIN AND CHROMOSOME STRUCTURE.....	603
43. CYTOGENETICS AND CYTOTAXONOMY.....	604
44. MITOSIS, MEIOSIS AND THE CELL CYCLE.....	606
45. SOMATIC AND FUSED CELL GENETICS.....	607
46. IMMUNOGENETICS.....	608
47. BIOCHEMICAL GENETICS.....	609
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS).....	611
49. PLANT DEVELOPMENTAL GENETICS.....	612
50. MOLECULAR BIOLOGY OF DEVELOPMENT.....	612
51. GENETICS AND HORMONE SYSTEMS.....	613
52. GENETICS AND PHYSIOLOGY.....	614
53. SEX DETERMINATION AND SEX LINKAGE.....	614
54. EUKARYOTIC BEHAVIOURAL GENETICS.....	615
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS.....	615
56. EUKARYOTIC SPECIATION AND EVOLUTION.....	617
57. THEORETICAL AND QUANTITATIVE GENETICS.....	618
58. PLANT BREEDING.....	618
(a) Cereals.....	
(b) Non-cereals.....	
(c) General.....	
59. ANIMAL BREEDING.....	621
(a) Poultry.....	
(b) Sheep and pigs.....	
(c) Cattle.....	
(d) General and other animal breeding.....	
60. MYXOMYCETE AND FUNGAL GENETICS.....	622
61. ALGAL GENETICS.....	623
62. HIGHER PLANT GENETICS.....	623
63. PROTOZOAN GENETICS.....	624
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS).....	625
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.).....	625
66. GENETICS OF DROSOPHILA SPP.....	626
67. GENETICS OF FISH.....	627
68. AMPHIBIAN AND REPTILE GENETICS.....	627
69. AVIAN GENETICS.....	627
70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN).....	627
71. RODENT GENETICS.....	628
72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS).....	628
(a) Chromosomes and mapping studies.....	
(b) Enzymes and other proteins.....	
(c) Population studies.....	
73. MEDICAL GENETICS.....	631
(a) Screening and counselling.....	
(b) Medical cytogenetics.....	
(c) Inherited disorders and gene therapy.....	
74. CANCER RESEARCH.....	635
GENERAL GENETICS AND SYMPOSIA	
75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA.....	638
AUTHOR INDEX	639

VOL.
2
1985

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 9

SEPTEMBER 1985

Nos. 12576-13981

CONTENTS

JOURNAL LIST	iii	67. GENETICS OF FISH	702
GENERAL AND MOLECULAR GENETICS		68. AMPHIBIAN AND REPTILE GENETICS	702
1. THE GENETIC CODE	645	69. AVIAN GENETICS	703
2. DNA/RNA STRUCTURE	645	70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	703
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	646	71. RODENT GENETICS	703
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	646	72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	704
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	647	(a) Chromosomes and mapping studies	
6. DNA MODIFICATION AND RESTRICTION	648	(b) Enzymes and other proteins	
7. DNA REPLICATION AND DNA SYNTHESIS	649	(c) Population studies	
8. RECOMBINATION AND GENE CONVERSION	650	73. MEDICAL GENETICS	707
9. DNA REPAIR	650	(a) Screening and counselling	
10. GENETICS AND RADIATION	652	(b) Medical cytogenetics	
11. GENETICS AND CHEMICAL MUTAGENS	653	(c) Inherited disorders and gene therapy	
12. OTHER MUTAGENESIS	654	74. CANCER RESEARCH	710
13. TRANSCRIPTION AND RNA POLYMERASES	655	GENERAL GENETICS AND SYMPOSIA	
14. RNA PROCESSING AND MESSENGER RNA	656	75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	712
15. TRANSFER RNA	657	AUTHOR INDEX	713
16. RIBOSOMES	657		
17. TRANSLATION	658		
18. RECOMBINANT DNA TECHNOLOGY	659		
19. CLONING OF PROKARYOTIC AND VIRAL GENES	660		
20. CLONING OF EXTRACHROMOSOMAL GENES	661		
21. CLONING OF EUKARYOTIC GENES	661		
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	662		
23. OTHER MOLECULAR GENETIC TECHNIQUES	662		
24. GENE REGULATION IN PROKARYOTES	663		
25. GENE REGULATION IN EUKARYOTES	663		
VIRAL AND PROKARYOTIC GENETICS			
26. PROKARYOTIC PLASMID CONTROL	665		
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	665		
28. OTHER PROKARYOTIC PLASMIDS	666		
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	666		
30. LAMBDA BACTERIOPHAGE GENETICS	667		
31. T-BACTERIOPHAGE GENETICS	667		
32. OTHER BACTERIOPHAGE GENETICS	667		
33. GENETICS OF PLANT AND FUNGAL VIRUSES	668		
34. GENETICS OF ANIMAL DNA VIRUSES	668		
35. GENETICS OF ONCOGENIC RNA VIRUSES	669		
36. OTHER RNA VIRAL GENETICS	671		
37. PROKARYOTIC BIOCHEMICAL GENETICS	672		
38. PROKARYOTIC SPECIATION AND EVOLUTION	673		
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	674		
EUKARYOTIC GENETICS			
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	674		
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	675		
42. CHROMATIN AND CHROMOSOME STRUCTURE	676		
43. CYTOGENETICS AND CYTOTAXONOMY	677		
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	679		
45. SOMATIC AND FUSED CELL GENETICS	679		
46. IMMUNOGENETICS	680		
47. BIOCHEMICAL GENETICS	683		
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	686		
49. PLANT DEVELOPMENTAL GENETICS	686		
50. MOLECULAR BIOLOGY OF DEVELOPMENT	686		
51. GENETICS AND HORMONE SYSTEMS	687		
52. GENETICS AND PHYSIOLOGY	688		
53. SEX DETERMINATION AND SEX LINKAGE	688		
54. EUKARYOTIC BEHAVIOURAL GENETICS	689		
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	689		
56. EUKARYOTIC SPECIATION AND EVOLUTION	691		
57. THEORETICAL AND QUANTITATIVE GENETICS	692		
58. PLANT BREEDING	692		
(a) Cereals			
(b) Non-cereals			
(c) General			
59. ANIMAL BREEDING	696		
(a) Poultry			
(b) Sheep and pigs			
(c) Cattle			
(d) General and other animal breeding			
60. MYXOMYCETE AND FUNGAL GENETICS	696		
61. ALGAL GENETICS	698		
62. HIGHER PLANT GENETICS	698		
63. PROTOZOAN GENETICS	700		
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	700		
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	700		
66. GENETICS OF DROSOPHILA SPP.	701		

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 10

OCTOBER 1985

Nos. 13982-15789

CONTENTS

JOURNAL LIST	iii	68. AMPHIBIAN AND REPTILE GENETICS	790
GENERAL AND MOLECULAR GENETICS		69. AVIAN GENETICS	790
1. THE GENETIC CODE	719	70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	790
2. DNA/RNA STRUCTURE	719	71. RODENT GENETICS	790
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	721	72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	791
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	722	(a) Chromosomes and mapping studies	
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	722	(b) Enzymes and other proteins	
6. DNA MODIFICATION AND RESTRICTION	723	(c) Population studies	
7. DNA REPLICATION AND DNA SYNTHESIS	724	73. MEDICAL GENETICS	796
8. RECOMBINATION AND GENE CONVERSION	726	(a) Screening and counselling	
9. DNA REPAIR	727	(b) Medical cytogenetics	
10. GENETICS AND RADIATION	728	(c) Inherited disorders and gene therapy	
11. GENETICS AND CHEMICAL MUTAGENS	729	74. CANCER RESEARCH	799
12. OTHER MUTAGENESIS	730	GENERAL GENETICS AND SYMPOSIA	
13. TRANSCRIPTION AND RNA POLYMERASES	730	75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	803
14. RNA PROCESSING AND MESSENGER RNA	732	AUTHOR INDEX	805
15. TRANSFER RNA	733		
16. RIBOSOMES	734		
17. TRANSLATION	735		
18. RECOMBINANT DNA TECHNOLOGY	736		
19. CLONING OF PROKARYOTIC AND VIRAL GENES	738		
20. CLONING OF EXTRACHROMOSOMAL GENES	739		
21. CLONING OF EUKARYOTIC GENES	739		
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	741		
23. OTHER MOLECULAR GENETIC TECHNIQUES	741		
24. GENE REGULATION IN PROKARYOTES	742		
25. GENE REGULATION IN EUKARYOTES	743		
VIRAL AND PROKARYOTIC GENETICS			
26. PROKARYOTIC PLASMID CONTROL	745		
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	745		
28. OTHER PROKARYOTIC PLASMIDS	746		
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	746		
30. LAMBDA BACTERIOPHAGE GENETICS	747		
31. T-BACTERIOPHAGE GENETICS	747		
32. OTHER BACTERIOPHAGE GENETICS	747		
33. GENETICS OF PLANT AND FUNGAL VIRUSES	748		
34. GENETICS OF ANIMAL DNA VIRUSES	748		
35. GENETICS OF ONCOGENIC RNA VIRUSES	750		
36. OTHER RNA VIRAL GENETICS	751		
37. PROKARYOTIC BIOCHEMICAL GENETICS	752		
38. PROKARYOTIC SPECIATION AND EVOLUTION	754		
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	754		
EUKARYOTIC GENETICS			
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	755		
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	756		
42. CHROMATIN AND CHROMOSOME STRUCTURE	757		
43. CYTOGENETICS AND CYTOTAXONOMY	758		
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	760		
45. SOMATIC AND FUSED CELL GENETICS	761		
46. IMMUNOGENETICS	762		
47. BIOCHEMICAL GENETICS	767		
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	772		
49. PLANT DEVELOPMENTAL GENETICS	772		
50. MOLECULAR BIOLOGY OF DEVELOPMENT	772		
51. GENETICS AND HORMONE SYSTEMS	774		
52. GENETICS AND PHYSIOLOGY	774		
53. SEX DETERMINATION AND SEX LINKAGE	775		
54. EUKARYOTIC BEHAVIOURAL GENETICS	775		
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	776		
56. EUKARYOTIC SPECIATION AND EVOLUTION	777		
57. THEORETICAL AND QUANTITATIVE GENETICS	778		
58. PLANT BREEDING	779		
(a) Cereals			
(b) Non-cereals			
(c) General			
59. ANIMAL BREEDING	784		
(a) Poultry			
(b) Sheep and pigs			
(c) Cattle			
60. MYXOMYCETE AND FUNGAL GENETICS	785		
61. ALGAL GENETICS	786		
62. HIGHER PLANT GENETICS	786		
63. PROTOZOAN GENETICS	788		
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	788		
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	788		
66. GENETICS OF DROSOPHILA SPP.	789		
67. GENETICS OF FISH	789		

VOL.
2
1985

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 11

NOVEMBER 1985

Nos. 15790-17669

CONTENTS

JOURNAL LIST iii

GENERAL AND MOLECULAR GENETICS

1. THE GENETIC CODE	813
2. DNA/RNA STRUCTURE	813
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	814
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	815
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	816
6. DNA MODIFICATION AND RESTRICTION	817
7. DNA REPLICATION AND DNA SYNTHESIS	817
8. RECOMBINATION AND GENE CONVERSION	819
9. DNA REPAIR	822
10. GENETICS AND RADIATION	824
11. GENETICS AND CHEMICAL MUTAGENS	826
12. OTHER MUTAGENESIS	827
13. TRANSCRIPTION AND RNA POLYMERASES	828
14. RNA PROCESSING AND MESSENGER RNA	829
15. TRANSFER RNA	830
16. RIBOSOMES	830
17. TRANSLATION	831
18. RECOMBINANT DNA TECHNOLOGY	832
19. CLONING OF PROKARYOTIC AND VIRAL GENES	833
20. CLONING OF EXTRACHROMOSOMAL GENES	834
21. CLONING OF EUKARYOTIC GENES	834
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	835
23. OTHER MOLECULAR GENETIC TECHNIQUES	835
24. GENE REGULATION IN PROKARYOTES	836
25. GENE REGULATION IN EUKARYOTES	837
VIRAL AND PROKARYOTIC GENETICS	
26. PROKARYOTIC PLASMID CONTROL	839
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	839
28. OTHER PROKARYOTIC PLASMIDS	840
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	840
30. LAMBDA BACTERIOPHAGE GENETICS	841
31. T-BACTERIOPHAGE GENETICS	842
32. OTHER BACTERIOPHAGE GENETICS	842
33. GENETICS OF PLANT AND FUNGAL VIRUSES	843
34. GENETICS OF ANIMAL DNA VIRUSES	844
35. GENETICS OF ONCOGENIC RNA VIRUSES	845
36. OTHER RNA VIRAL GENETICS	846
37. PROKARYOTIC BIOCHEMICAL GENETICS	847
38. PROKARYOTIC SPECIATION AND EVOLUTION	850
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	850
EUKARYOTIC GENETICS	
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	851
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	852
42. CHROMATIN AND CHROMOSOME STRUCTURE	853
43. CYTOGENETICS AND CYTOTAXONOMY	854
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	857
45. SOMATIC AND FUSED CELL GENETICS	858
46. IMMUNOGENETICS	859
47. BIOCHEMICAL GENETICS	863
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	866
49. PLANT DEVELOPMENTAL GENETICS	867
50. MOLECULAR BIOLOGY OF DEVELOPMENT	867
51. GENETICS AND HORMONE SYSTEMS	868
52. GENETICS AND PHYSIOLOGY	868
53. SEX DETERMINATION AND SEX LINKAGE	869
54. EUKARYOTIC BEHAVIOURAL GENETICS	870
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	870
56. EUKARYOTIC SPECIATION AND EVOLUTION	872
57. THEORETICAL AND QUANTITATIVE GENETICS	873
58. PLANT BREEDING	873
(a) Cereals	
(b) Non-cereals	
(c) General	
59. ANIMAL BREEDING	878
(a) Poultry	
(b) Sheep and pigs	
(c) Cattle	
(d) General and other animal breeding	
60. MYXOMYCETE AND FUNGAL GENETICS	878
61. ALGAL GENETICS	880
62. HIGHER PLANT GENETICS	880
63. PROTOZOAN GENETICS	882
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	882
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	882
66. GENETICS OF DROSOPHILA SPP.	883

67. GENETICS OF FISH	884
68. AMPHIBIAN AND REPTILE GENETICS	884
69. AVIAN GENETICS	885
70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	885
71. RODENT GENETICS	885
72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	886
(a) Chromosomes and mapping studies	
(b) Enzymes and other proteins	
(c) Population studies	
73. MEDICAL GENETICS	889
(a) Screening and counselling	
(b) Medical cytogenetics	
(c) Inherited disorders and gene therapy	
(d) Miscellaneous	
74. CANCER RESEARCH	896
GENERAL GENETICS AND SYMPOSIA	
75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	899
AUTHOR INDEX	900

ISSN 0741-1642

CURRENT ADVANCES IN GENETICS AND MOLECULAR BIOLOGY

VOL. 2, NO. 12

DECEMBER 1985

Nos. 17670-19648

CONTENTS

JOURNAL LIST	iii	67. GENETICS OF FISH	981
GENERAL AND MOLECULAR GENETICS		68. AMPHIBIAN AND REPTILE GENETICS	981
1. THE GENETIC CODE	909	69. AVIAN GENETICS	982
2. DNA RNA STRUCTURE	909	70. MAMMALIAN GENETICS (EXCLUDING RODENTS AND MAN)	982
3. PROKARYOTIC AND VIRAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	910	71. RODENT GENETICS	982
4. EXTRACHROMOSOMAL DNA/RNA SEQUENCES AND GENOME ORGANISATION	911	72. HUMAN GENETICS (EXCLUDING MEDICAL GENETICS)	983
5. EUKARYOTIC DNA/RNA SEQUENCES AND GENOME ORGANISATION	912	(a) Chromosomes and mapping studies	
6. DNA MODIFICATION AND RESTRICTION	913	(b) Enzymes and other proteins	
7. DNA REPLICATION AND DNA SYNTHESIS	914	(c) Population studies	
8. RECOMBINATION AND GENE CONVERSION	915	(d) Miscellaneous	
9. DNA REPAIR	916	73. MEDICAL GENETICS	988
10. GENETICS AND RADIATION	918	(a) Screening and counselling	
11. GENETICS AND CHEMICAL MUTAGENS	920	(b) Medical cytogenetics	
12. OTHER MUTAGENESIS	920	(c) Inherited disorders and gene therapy	
13. TRANSCRIPTION AND RNA POLYMERASES	920	(d) Miscellaneous	
14. RNA PROCESSING AND MESSENGER RNA	922	74. CANCER RESEARCH	995
15. TRANSFER RNA	923	GENERAL GENETICS AND SYMPOSIA	
16. RIBOSOMES	924	75. GENERAL CONCEPTS, REVIEWS AND SYMPOSIA	998
17. TRANSLATION	925	AUTHOR INDEX	999
18. RECOMBINANT DNA TECHNOLOGY	926		
19. CLONING OF PROKARYOTIC AND VIRAL GENES	928		
20. CLONING OF EXTRACHROMOSOMAL GENES	928		
21. CLONING OF EUKARYOTIC GENES	929		
22. APPLICATIONS AND IMPLICATIONS OF GENETIC MANIPULATION	930		
23. OTHER MOLECULAR GENETIC TECHNIQUES	930		
24. GENE REGULATION IN PROKARYOTES	931		
25. GENE REGULATION IN EUKARYOTES	932		
VIRAL AND PROKARYOTIC GENETICS			
26. PROKARYOTIC PLASMID CONTROL	934		
27. RHIZOBIUM AND AGROBACTERIUM PLASMIDS	935		
28. OTHER PROKARYOTIC PLASMIDS	935		
29. PROKARYOTIC TRANSPOSONS, INSERTION AND REPETITIVE SEQUENCES	935		
30. LAMBDA BACTERIOPHAGE GENETICS	936		
31. T-BACTERIOPHAGE GENETICS	936		
32. OTHER BACTERIOPHAGE GENETICS	936		
33. GENETICS OF PLANT AND FUNGAL VIRUSES	937		
34. GENETICS OF ANIMAL DNA VIRUSES	937		
35. GENETICS OF ONCOGENIC RNA VIRUSES	939		
36. OTHER RNA VIRAL GENETICS	940		
37. PROKARYOTIC BIOCHEMICAL GENETICS	941		
38. PROKARYOTIC SPECIATION AND EVOLUTION	943		
39. OTHER PROKARYOTIC GENETICS (INCLUDING MAPPING)	943		
EUKARYOTIC GENETICS			
40. EUKARYOTIC EXTRACHROMOSOMAL INHERITANCE	944		
41. EUKARYOTIC TRANSPOSABLE ELEMENTS AND REPETITIVE DNA	944		
42. CHROMATIN AND CHROMOSOME STRUCTURE	946		
43. CYTOGENETICS AND CYTOTAXONOMY	947		
44. MITOSIS, MEIOSIS AND THE CELL CYCLE	950		
45. SOMATIC AND FUSED CELL GENETICS	951		
46. IMMUNOGENETICS	951		
47. BIOCHEMICAL GENETICS	955		
48. DEVELOPMENTAL GENETICS (EXCLUDING PLANTS)	960		
49. PLANT DEVELOPMENTAL GENETICS	960		
50. MOLECULAR BIOLOGY OF DEVELOPMENT	961		
51. GENETICS AND HORMONE SYSTEMS	962		
52. GENETICS AND PHYSIOLOGY	963		
53. SEX DETERMINATION AND SEX LINKAGE	964		
54. EUKARYOTIC BEHAVIOURAL GENETICS	964		
55. EUKARYOTIC ECOLOGICAL AND POPULATION GENETICS	965		
56. EUKARYOTIC SPECIATION AND EVOLUTION	966		
57. THEORETICAL AND QUANTITATIVE GENETICS	967		
58. PLANT BREEDING	968		
(a) Cereals			
(b) Non-cereals			
(c) General			
59. ANIMAL BREEDING	973		
(a) Poultry			
(b) Sheep and pigs			
(c) Cattle			
(d) General and other animal breeding			
60. MYXOMYCETE AND FUNGAL GENETICS	975		
61. ALGAL GENETICS	976		
62. HIGHER PLANT GENETICS	977		
63. PROTOZOAN GENETICS	978		
64. INVERTEBRATE GENETICS (EXCLUDING INSECTS)	979		
65. INSECT GENETICS (EXCLUDING DROSOPHILA SPP.)	979		
66. GENETICS OF DROSOPHILA SPP.	980		

ISSN 0741-1642

L.

85